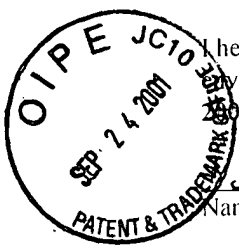


PATENT

U.S. Application No. 09/433,360

Attorney Docket No. PP-01544.003

I hereby certify that this paper is being deposited in the United States Postal Service as first class mail in an envelope addressed: Assistant Commissioner of Patents, Washington, D.C. 20231-0001 on September 21,



Nancy L. Swanson
Nancy L. Swanson

9/21/01
Date

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

HAMIDUDDIN KHOJA and VENKATARKRISHNA SHYAMALA

Serial No.: 09/433,360

Group Art: 1643

Filed: November 3, 1999

Examiner: Unassigned

For: ISOLATED VSHK-1 RECEPTOR POLYPEPTIDES
AND METHODS OF USE THEREOF

CERTIFICATE UNDER 37 C.F.R. § 3.73(b)

CHIRON CORPORATION

(Name of Assignee)

, a

Corporation

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest, or
2. ☐ an assignee of an undivided part interest

in the patent application/patent identified above by virtue of either:

- A. ☐ An Assignment from the inventor(s) of the patent application/patent identified above.
The assignment was recorded in the Patent and Trademark Office at Reel _____,
Frame _____, or for which a copy thereof is attached.

OR

- B. ☐ A chain of title from the inventor(s) of the patent application/patent identified above
to the current assignee as shown below:

1. From: _____ To: _____

The document was recorded in the Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

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2. From: _____ To: _____
The document was recorded in the Patent and Trademark Office at
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3. From: _____ To: _____
The document was recorded in the Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

☒ Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (*i.e.*, the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the PTO. See MPEP 302-302.8]

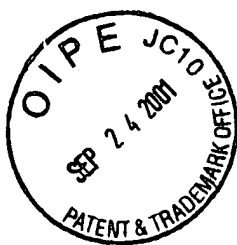
The undersigned (whose title is supplied below) is empowered to act on behalf of the assignee.

Date: _____ September 21, 2001 _____

Name: _____ Kimberlin L. Morley _____

Title: _____ Assistant Secretary, CHIRON CORPORATION _____

Signature: _____ Kimberlin Morley _____



PATENT
U.S. Patent Application No. 09/433,360
Attorney Docket No. PP-01544.003

I hereby certify that this paper is being deposited in the United States Postal Service as first class mail in an envelope addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231-0001, Attn: Box Assignments, on September 21, 2001.

Nancy L. Swanson
Nancy L. Swanson

September 21, 2001
Date

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: HAMIDUDDIN KHOJA and VENKATARKRISHNA SHYAMALA

Serial No.: 09/433,360

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Filed : November 3, 1999

Examiner: Unassigned

For : ISOLATED VSHK-1 RECEPTOR POLYPEPTIDES
AND METHODS OF USE THEREOF

ASSIGNMENT DOCUMENT COVER LETTER

Box Assignment
Assistant Commissioner for Patents
Washington, D.C. 20231

1. The accompanying assignment covers the patent or application identified above.

X No other patents or applications are covered by the assignment.

— Other patents and/or applications are covered by the assignment as shown on the attached LIST OF PATENTS AND/OR APPLICATIONS COVERED BY ASSIGNMENT.

-1-

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DO NOT FORWARD
TO
ASSIGNMENT BRANCH

NAMES OF PARTY MAKING TRANSFER

2. Name 1: HAMIDUDDIN KHOJA
Name 2: VENKATARKRISHNA SHYAMALA

IDENTITY OF PARTY TO WHOM TRANSFER IS MADE

3. Transfer is being made to:

CHIRON CORPORATION
Intellectual Property
P.O. Box 8097
Emeryville, California 94608-8097
United States of America

INTENTION OF DOCUMENT

4. The accompanying document is an:

X Assignment License
 Security Interest Other

X Execution Dates: September 17, 2001 and September 20, 2001

FEE PAYMENT

5. Total fee due \$40.00

6. Charge Deposit Account No. 03-1664 in the sum of \$40.00.

X Enclosed is a check for \$40.00.

X The Assistant Commissioner is hereby authorized to charge any additional fees which may be required or credit any overpayment to Deposit Account No. 03-1664. THIS IS NOT AN AUTHORIZATION FOR PAYMENT OF ANY ISSUE FEES.

PATENT
U.S. Patent Application No. 09/433,360
Attorney Docket No. PP-01544.003

**ADDRESS TO WHICH DOCUMENT SHOULD BE RETURNED AFTER RECORDAL
BY PTO**

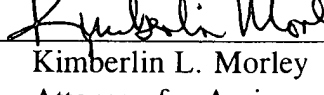
7. Please return the recorded document to:

**CHIRON CORPORATION
Intellectual Property
P.O. Box 8097
Emeryville, California 94662-8097
United States of America**

STATEMENT BY THE PARTY

8. I hereby submit that, to the best of my knowledge and belief, the foregoing information contained herein is true and correct and any copy submitted herewith is a true and correct copy of the original document.

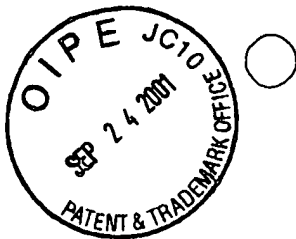
Respectfully submitted,

By: 
Kimberlin L. Morley
Attorney for Assignee
Reg. No. 35,391

Dated: September 21, 2001

**CHIRON CORPORATION
Intellectual Property - R440
P.O. Box 8097
Emeryville, California 94662-8097
TEL: (510) 923-8406
FAX: (510) 655-3542**

Total number of pages comprising cover sheet: 6 (Assignment Cover Letter plus Original Assignments)



PATENT
U.S. Patent Application No. 09/433,360
Attorney Docket No. PP-01544.003

ASSIGNMENT

WHEREAS, We, **HAMIDUDDIN KHOJA and VENKATARKRISHNA SHYAMALA**, hereinafter referred to as **ASSIGNORS**, have co-invented certain improvements as described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: ISOLATED VSHK-1 RECEPTOR POLYPEPTIDES
AND METHODS OF USE THEREOF

Date of Execution: September 17, 2001 and September 20, 2001

Filing Date: 11/03/1999

Serial No: 09/433,360

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WHEREAS, **CHIRON CORPORATION**, located at 4560 Horton Street, Emeryville, California 94608-2916, hereinafter referred to as **ASSIGNEE**, is desirous of acquiring the entire right, title and interest in the said invention and application and in any Letters Patent which may be granted on the same;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for and in consideration of the sum of One Dollar (\$1.00) lawful money paid to **ASSIGNORS** by **ASSIGNEE**, receipt of which is hereby acknowledged, **ASSIGNORS** have sold, assigned and transferred, and by these presents do sell, assign and transfer unto said **ASSIGNEE**, and **ASSIGNEE'S** successors and assigns, all right, title and interest in and to the said invention, said application for United States Letters Patent, and any Letters Patent which may hereafter be granted on the same in the United States and all countries throughout the world including any divisions, renewals, continuations in whole or in part, substitutions, conversions (including conversions claiming priority under 35 U.S.C. § 119(e)), reissues, prolongations or extensions thereof, the said interest to be held and enjoyed by said **ASSIGNEE** as fully and exclusively as it would have been held and enjoyed by said **ASSIGNORS** had this assignment and transfer not been made, to the full end and term of any Letters Patent.

ASSIGNORS also agree that the U.S. serial number and the filing date may be entered above by **ASSIGNEE** or its agents upon designation of the serial number and the filing date by the U.S. Patent and Trademark Office.

ASSIGNORS further agree that they will, without charge to said **ASSIGNEE**, but at **ASSIGNEE'S** expense, cooperate with **ASSIGNEE** in the prosecution of said application and/or applications, execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof, and will perform such other acts as **ASSIGNEE** lawfully may request, to obtain or maintain Letters Patent for said invention and improvement in any and all countries, and to vest title thereto in said **ASSIGNEE**, or **ASSIGNEE'S** successors and assigns.

IN TESTIMONY WHEREOF, **ASSIGNORS** have hereunto signed their names to this assignment on the dates indicated below.

INVENTOR: HAMIDUDDIN KHOJA

DATE 9/17/01

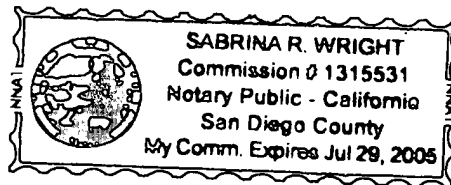
K. Hamiduddin Khoja
Signature

State of California
County of San Diego

On Sept. 18, 2001 before me, Sabrina R. Wright, Notary Public, personally appeared Hamiduddin Khoja, personally known to me OR ~~proved to me on the basis of satisfactory evidence~~ to be the person whose name is subscribed to the within instrument and acknowledged to me that he/~~she/they~~ executed the same in his/~~her/their~~ authorized capacity(~~ies~~), and that by his/~~her/their~~ signature(~~s~~) on the instrument the person(~~s~~), or the entity upon behalf of which the person(~~s~~) acted, executed the instrument.

WITNESS my hand and official seal.

Sabrina R. Wright
Signature of Notary Public



Notary Seal

INVENTOR: VENKATARKRISHNA SHYAMALA

DATE 09/20/01

Venkatakrishna Shyamala
Signature

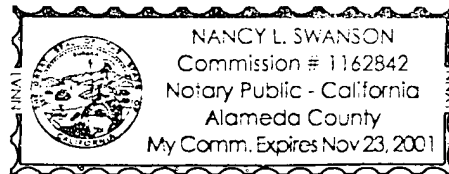
State of California

County of Alameda

On 9/20/01 before me, Nancy L. Swanson, Notary Public,
personally appeared Venkatakrishna Shyamala personally known to me OR proved
to me on the basis of satisfactory evidence to be the person whose name is subscribed to the
within instrument and acknowledged to me that ~~he~~ she / ~~they~~ executed the same in
~~his~~ her / ~~their~~ authorized capacity(ies), and that by ~~his~~ her / ~~their~~ signature(s) on the
instrument the person(s), or the entity upon behalf of which the person(s) acted, executed
the instrument.

WITNESS my hand and official seal.

Nancy L. Swanson
Signature of Notary Public



Notary Seal